

In re Application of KADATCH et al.  
Serial No. 09/814,474

**AMENDMENTS TO CLAIMS**

Please amend the claims as follows (claims 22-31 have been withdrawn):

1. (Previously Presented): A computer-implemented method, comprising:  
disabling interrupts on a computer system for entering a state of hibernation;  
preparing a first set of data for writing a first set of content of volatile memory to a  
disk;  
instructing a controller to write the first set of data asynchronously to the disk;  
polling, in intermittent polling operations, a status register to determine when the  
write to the disk is complete; and  
while between polling operations, preparing a second set of data for writing a  
second set of content of volatile memory to the disk.
2. (Original): The method of claim 1 wherein preparing the first set of data for  
writing includes compressing the data.
3. (Original): The method of claim 1 wherein preparing the first set of data for  
writing includes segmenting the data.
4. (Original): The method of claim 1 further comprising, calling at least one  
driver to obtain information about write limitations of the disk.
5. (Original): The method of claim 1 further comprising, reserving at least one  
special section of memory for preparing the first set of data for writing.

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6. (Original): The method of claim 1 further comprising, calling a disk driver to obtain information about memory requirements of the driver.

7. (Original): The method of claim 6 further comprising, reserving at least one special section of memory for the disk driver based on the memory requirements thereof.

8. (Previously Presented): A computer-implemented method, comprising:  
disabling interrupts on a computer system;  
instructing a controller to read data asynchronously from a disk to an input buffer;  
polling, in intermittent polling operations, a status register to determine when the read from the disk is complete; and  
while between polling operations, decompressing at least some data in the input buffer, wherein decompressing at least some of the data in the input buffer comprises, accessing the data including tokens comprising literal symbols and length, offset pairings, ensuring that space to hold a predetermined number of at least two output symbols is present in an output buffer, selecting a token from the input data, and when the token comprises a literal symbol, copying the literal symbol into the output buffer without checking whether the symbol will fit into the output buffer, or when the token comprises a length, offset pairing, copying at least the predetermined number of symbols into the output buffer without checking whether each symbol will fit into the output buffer.

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9. (Original): The method of claim 8 further comprising, loading at least one driver to enable the controller to read the data asynchronously from the disk.

10-11. (Cancelled).

12. (Original): A computer-implemented method, comprising,  
accessing compressed input data including tokens comprising literal symbols and length, offset pairings;  
ensuring that space to hold a predetermined number of at least two output symbols is present in an output buffer;  
selecting a token from the input data; and  
if the token comprises a literal symbol, copying the literal symbol into the output buffer without checking whether the symbol will fit into the output buffer; or  
if the token comprises a length, offset pairing, copying at least the predetermined number of symbols into the output buffer without checking whether each symbol will fit into the output buffer.

13. (Original): The method of claim 12 wherein ensuring that space to hold a predetermined number of at least two output symbols is present includes, dividing space remaining in the output buffer by the predetermined number.

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14. (Original): The method of claim 12 wherein the token comprises a length, offset pairing and wherein copying a number of symbols comprises, copying the predetermined number regardless of an actual length value in the length, offset pairing, and adjusting a pointer based on the actual value.

15. (Original): The method of claim 12 further comprising, determining that space to hold a predetermined number of at least two output symbols may not be present in an output buffer, and invoking another decoder to decompress the input data into the output buffer.

16-21. (Cancelled).

22-31. (Withdrawn)